

EAT-NO: EP00089503A2

DOCUMENT-IDENTIFIER: EP 895032 A2

TITLE: Method of spotting probe on solid support, probe array and method of manufacturing thereof, and method of detecting target substance and method of identifying structure of target substance using probe array

PUBN-DATE: February 3, 1999

INVENTOR-INFORMATION:

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SUZUKI, TOMOCHIRO	JP

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APPL-NO: EP98306107

APPL-DATE: July 31, 1998

PRIORITY-DATA: JP20783797A  
JP28704697A  
JP20991398A (August 1, 1997  
October 20, 1997  
July 24, 1998)

INT-CL (IPC): G01N033/543;C12Q001/68 ;C07K017/14  
;C12N011/14 ;G01N033/53  
;G01N033/63

ABSTRACT:

Provided is a method of spotting a probe densely and efficiently on a surface of a solid support. A liquid containing a probe is attached to a solid support as droplets to form spots containing the probe on the solid support by an ink jet method. <IMAGE>



CH<sub>2</sub> O (CH<sub>2</sub>)<sub>3</sub> Si-CMe  
CMe

RE.CNT 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

LS ANSWER 83 OF 146 CAPLUS COPYRIGHT 2002 ACS  
AN 1995:713669 CAPLUS  
DN 123:144634  
TI Preparation of **peptide** analogs and other oxazolone (azlactone)  
derived materials.  
IN Hogan, Joseph C., Jr.  
FA Legomer Partners, L.P., USA  
SO PCT Int. Appl., 134 pp.  
CODEN: PIXXD2  
DT Patent  
LA English  
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
FI	WO 9400509	A1	19940106	WO 1993-US6240	19930630
	W:		AT, AU, BB, BG, BR, BY, CA, CH, CZ, DE, DK, ES, FI, GE, HU, JP, KP, KR, KZ, LK, LU, MG, MN, MW, NL, NC, NZ, PL, PT, RO, RU, SD, SE, SK, UA, US		
	PW:		AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, ME, NE, SN, TD, TG		
	AU 9346591	A1	19940124	AU 1993-46591	19930630
	AU 678168	B2	19970522		
	EP 649443	A1	19950426	EP 1993-916883	19930630
	R:		AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, MC, NL, PT, SE		
	JP 08500576	T2	19960123	JP 1993-502661	19930630
	BR 9306656	A	19981208	BR 1993-6656	19930630
FRAI	US 1992-906756		19920630		
	US 1993-41562		19930402		
	WO 1993-US6240		19930630		
AB	AX(NHCH <sub>2</sub> COG)nYB [A, B = bond, H, electrophilic group, nucleophilic group, amino acid deriv., nucleotide deriv., carbohydrate deriv., org. structural motif, reporter element, org. moiety contg. a polymerizable group, macromol. component, etc.; A and B are optionally connected to each other or to other structures; X, Y = bond, .gtoreq.1 C, N, S, O atom or combinations thereof; R, R1 = (substituted) alkyl, cycloalkyl, aralkyl, alkaryl, or heterocyclic derivs. thereof; G = connecting group, bond; n .gtoreq.1; with provisos], were prepd. The new mols. and fabricated materials are mol. recognition agents useful in the design and synthesis of drugs, and have applications in sepn. and materials science. Thus, human elastase inhibitor (I) was prepd. starting from (S)-2-methylleucine via azlactone intermediates (II) and (III).				
IT	<b>2530-83-8D, silica-bound</b> RL: RCT (Reactant) (synthesis of coated silica supports for affinity chromatog.; prepn. of oxazolone (azlactone) derived materials)				
RI	2530-83-8 CAPLUS				
CN	Silane, trimethoxy[3-(oxiranylmethoxy)propyl]- (9CI) (CA INDEX NAME)				

O

CMe

CH<sub>2</sub> - O - (CH<sub>2</sub>)<sub>3</sub> - Si - OMe

CMe

=>

LG ANSWER 141 OF 146 CAPLUS COPYRIGHT 2002 ACS  
 AN 1979:152580 CAPLUS  
 DN 90:152580  
 TI Carboxyl-terminal sequential degradation of **peptides**  
 AU Parham, M. E.; Loudon, G. Marc  
 CS Dep. Chem., Cornell Univ., Ithaca, N. Y., USA  
 SO Biochem. Biophys. Res. Commun. (1978), 80(1), 1-6  
 CODEN: BBRCA9; ISSN: 0006-291X  
 DT Journal  
 LA English  
 AB A Hofmann-type degrdn. of **peptide** amides was used for the title  
 degrdn. CPG(O)-Pep-CONHCHRCONH2 [CPG = controlled pore glass, CPG(O) =  
 CPG-Si(OMe)2(CH2)3OCH2CO, Pep-CO = **peptide** residue, R = side  
 chain of C-terminal amino acid amide] was treated with PhI(O2CCF3)2 to  
 give the isocyanate deriv. which was hydrolyzed in acid to give  
 CPG(O)-Pep-CONHCHRNH3+ which was hydrolyzed at pH 7 and 100.degree. to  
 give CPG(O)-Pep-CONH2 (I) and RCHO. I can be degraded by a repetition of  
 the above procedure. This repetitive procedure was applied to eledoisin  
 analog H-Lys-Phe-Ile-Gly-Leu-Met-NH2.  
 IT **2530-83-8**  
 RL: RCT (Reactant)  
 (reaction of, with controlled pore glass)  
 FN 2530-83-8 CAPLUS  
 CN Silane, trimethoxy[3-(oxiranylmethoxy)propyl]- (3CI) (CA INDEX NAME)

